

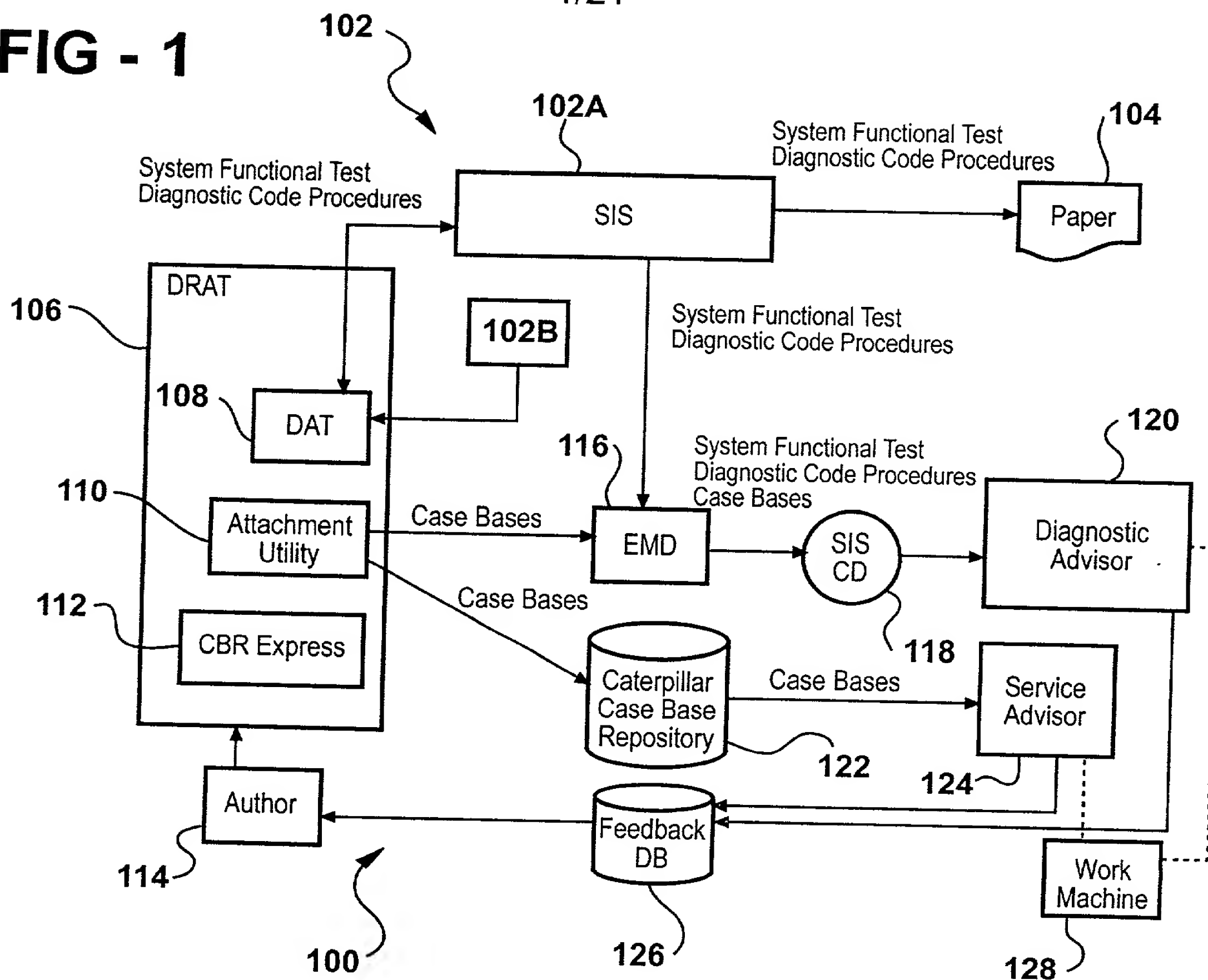
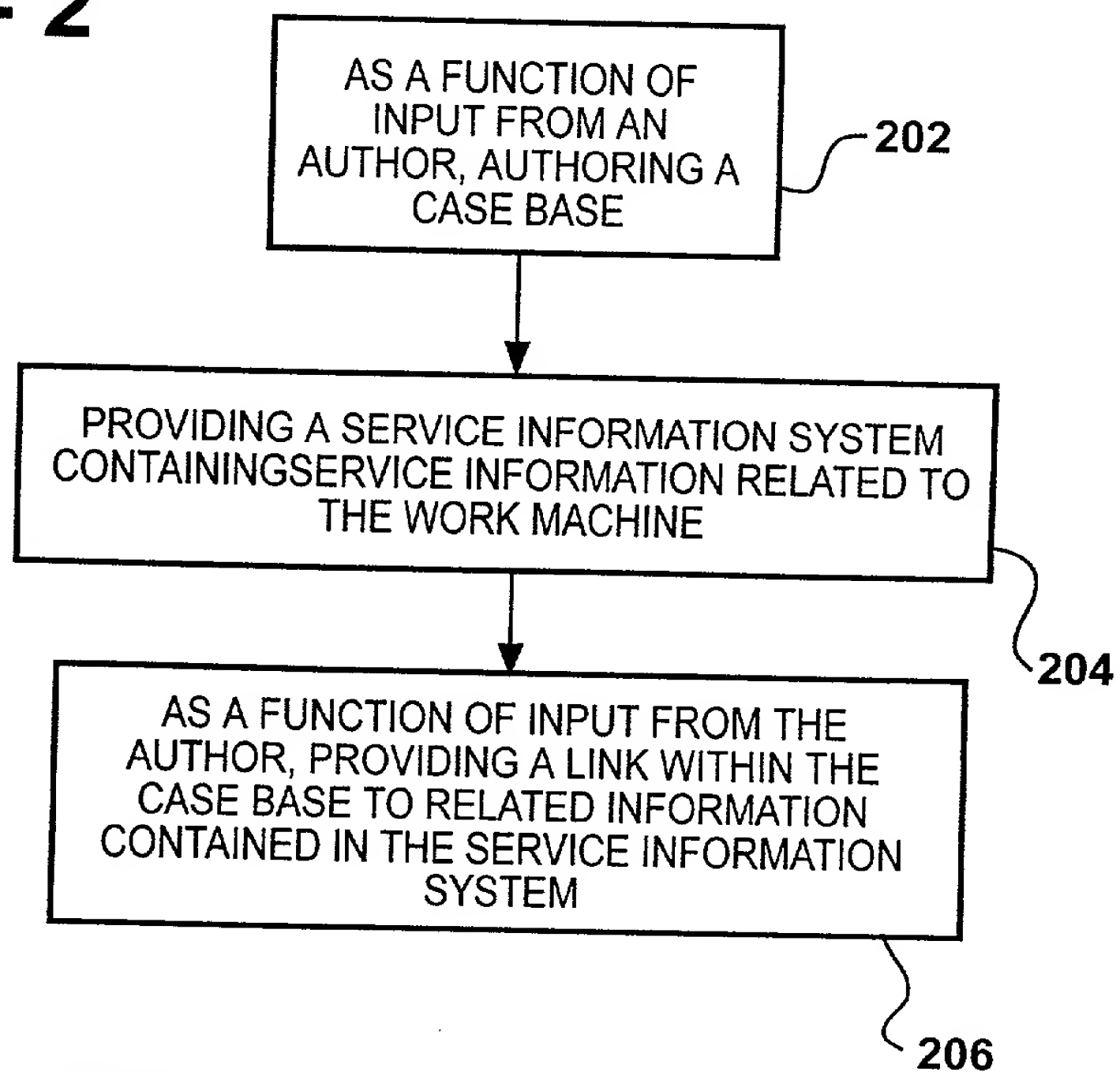
FIG - 1**FIG - 2**

FIG - 3

300

Logon Information

Enter a user name and password that is valid for this system.

Username: 304

Password: 306

302

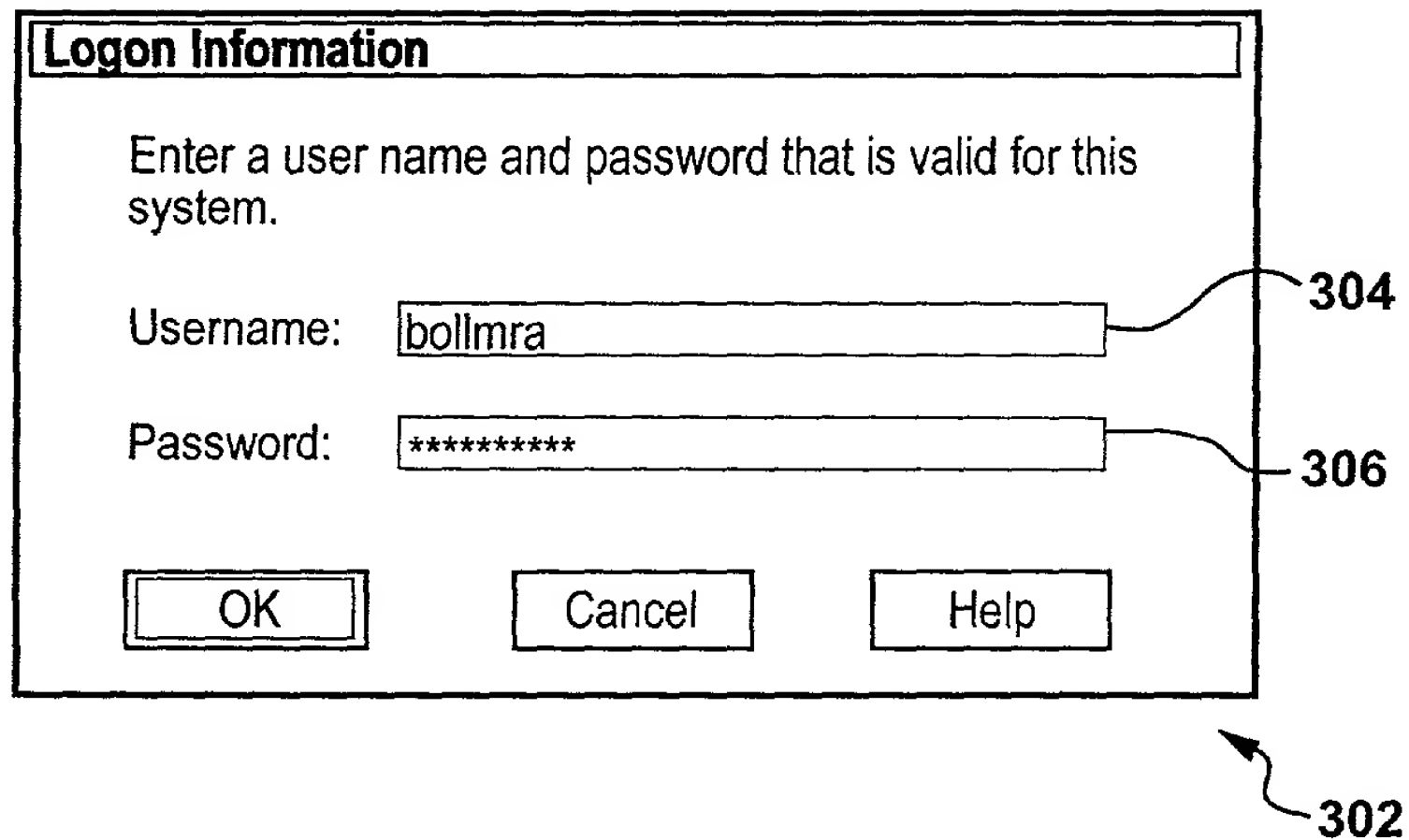
A rectangular dialog box titled "Logon Information". It contains a text prompt "Enter a user name and password that is valid for this system." Below the prompt are two input fields: "Username:" followed by a text box containing "bollmra" (labeled 304) and "Password:" followed by a password box containing "*****" (labeled 306). At the bottom are three buttons: "OK", "Cancel", and "Help". A curved arrow labeled 302 points to the bottom right corner of the dialog box.

FIG - 4

Logon Error

Error...The user name or password that you provided is incorrect. Please try again or contact your system administrator.

402

400

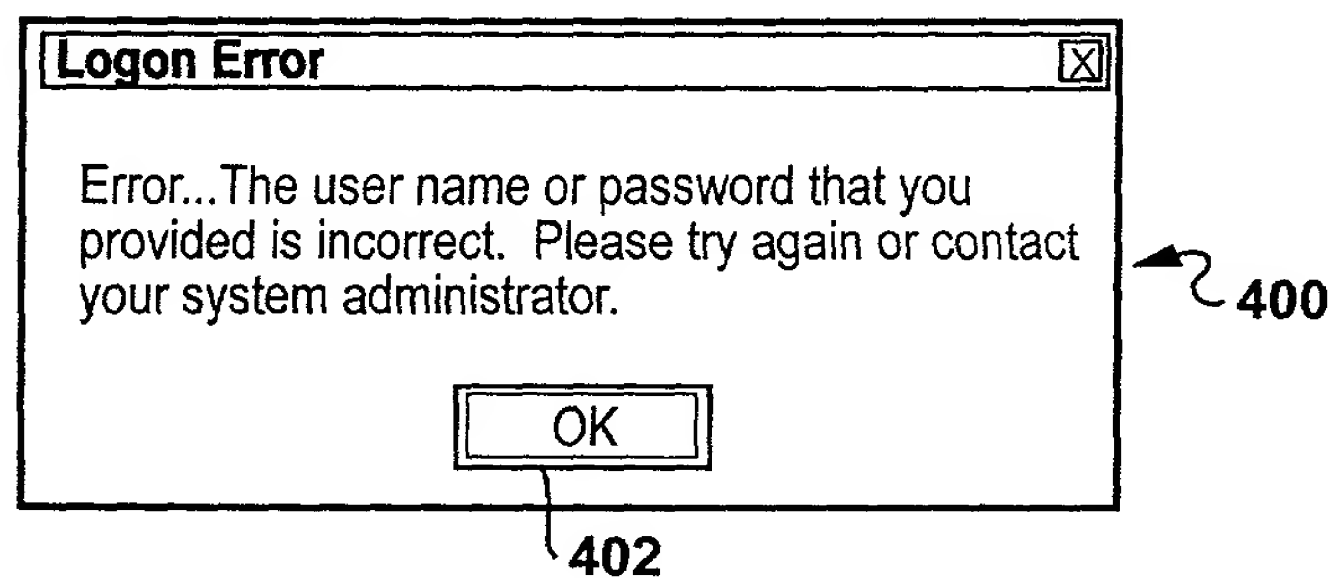
A rectangular dialog box titled "Logon Error" with a close button (X) in the top right corner. It contains a text message: "Error...The user name or password that you provided is incorrect. Please try again or contact your system administrator." Below the message is an "OK" button (labeled 402). A curved arrow labeled 400 points to the right side of the dialog box.

FIG - 5

Main Utility Menu

502 ☐ Links / Attachments

504 ☐ Serial Number Effectivity / Send to EMD

506 ☐ User Administrator

508

300

500

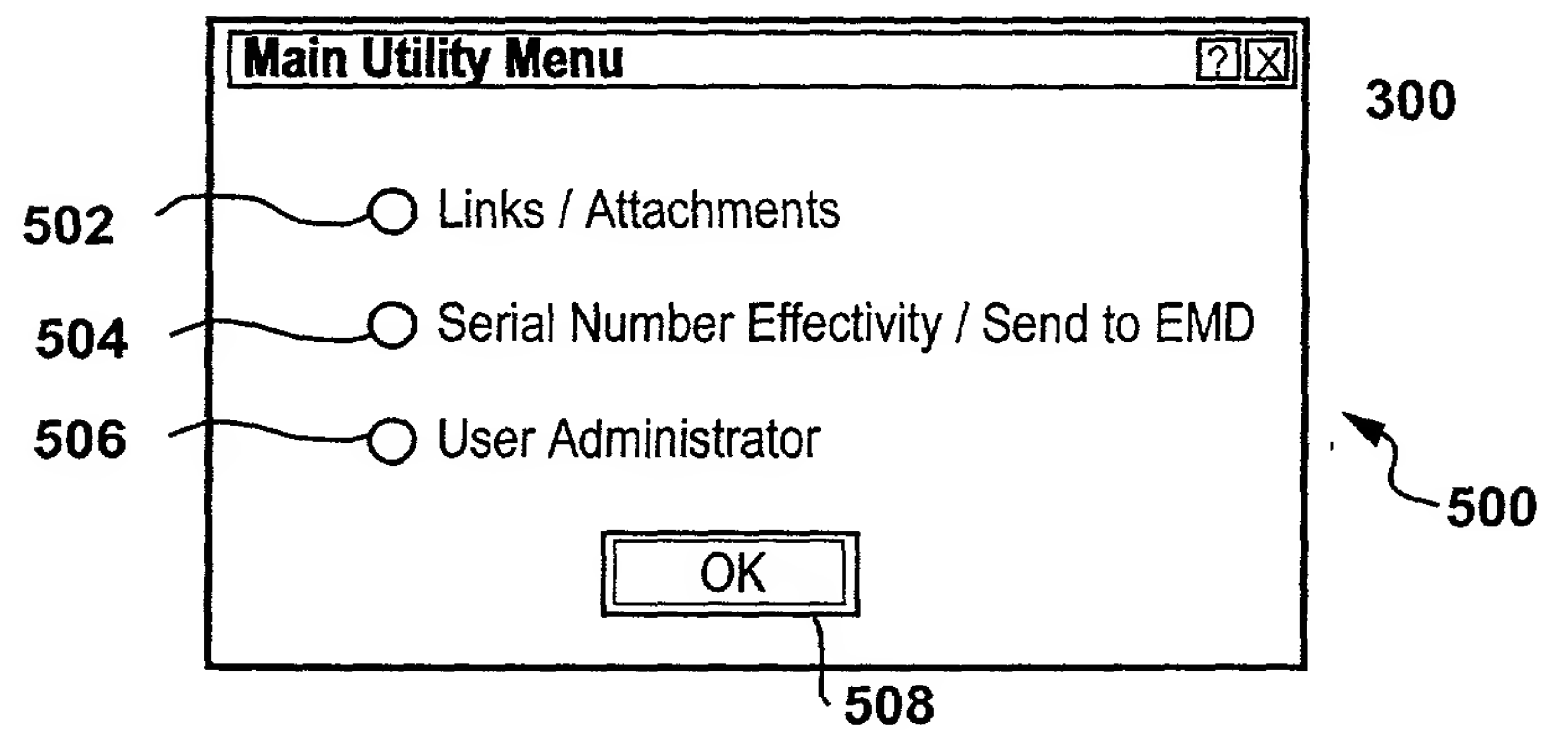
A rectangular dialog box titled "Main Utility Menu" with standard window controls (minimize, maximize, close) in the top right corner. It contains three radio button options: "Links / Attachments" (labeled 502), "Serial Number Effectivity / Send to EMD" (labeled 504), and "User Administrator" (labeled 506). At the bottom is an "OK" button (labeled 508). A curved arrow labeled 500 points to the right side of the dialog box. The number 300 is located to the right of the dialog box title bar.

FIG - 6

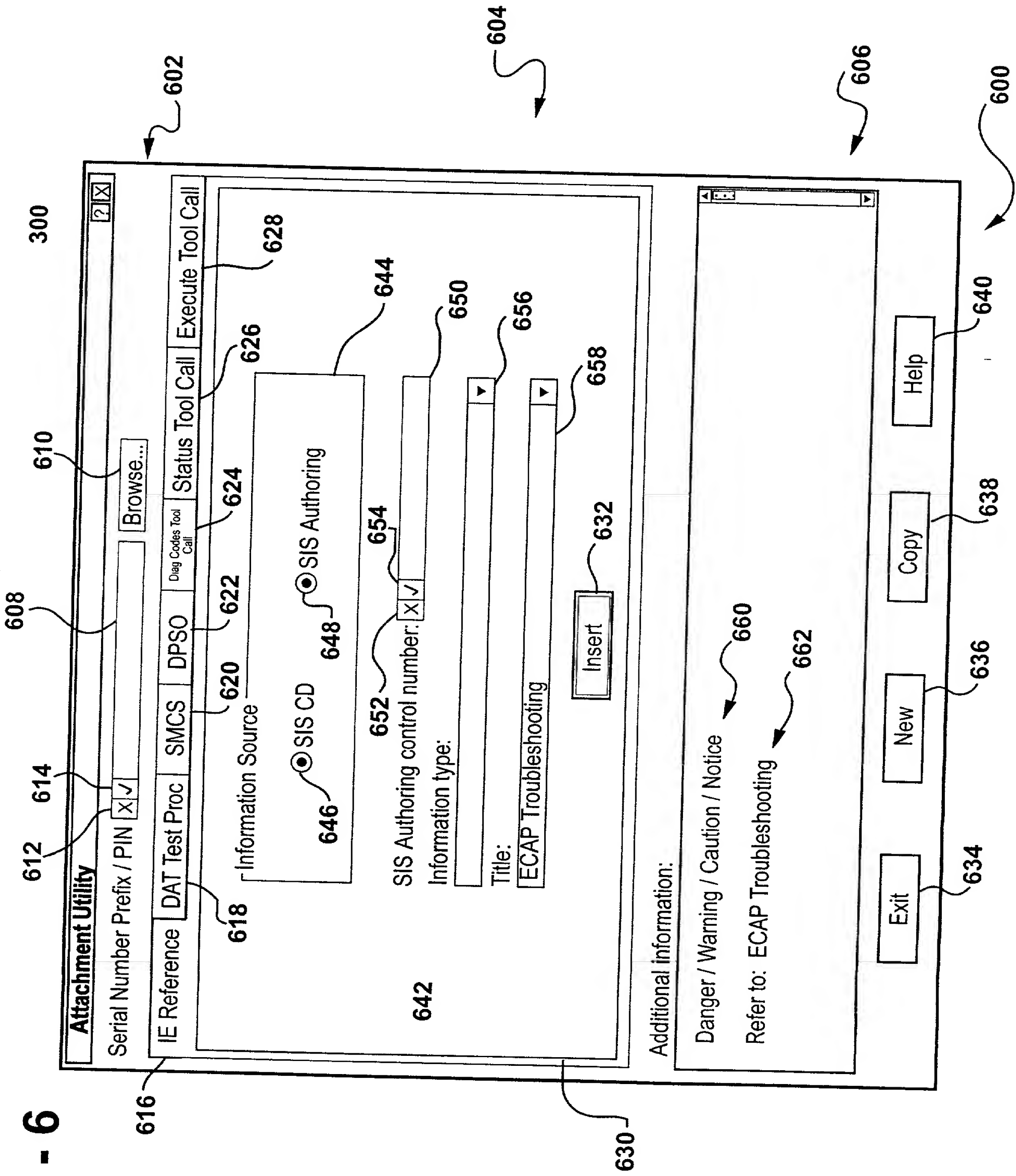


FIG - 7

4/21

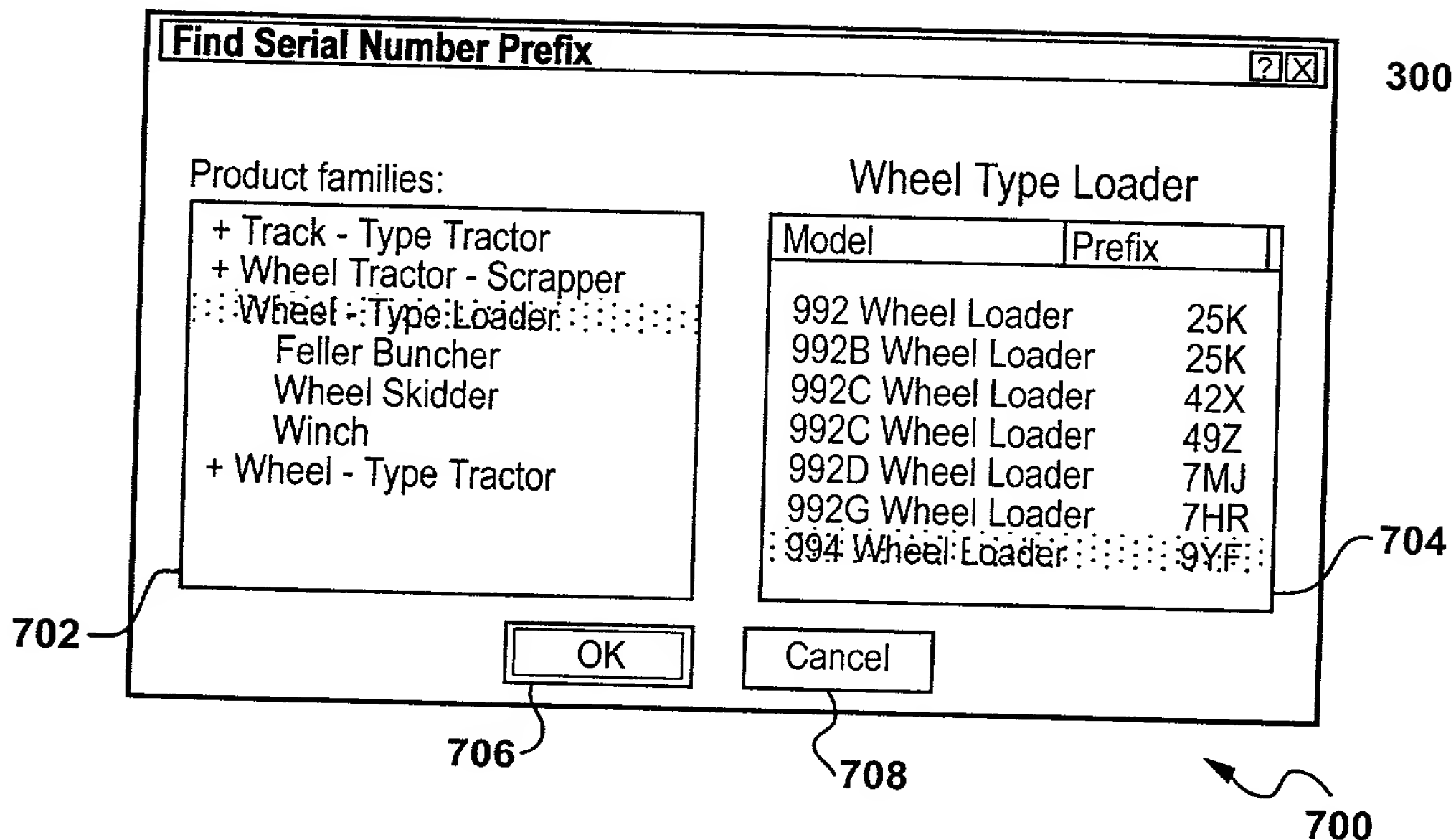


FIG - 8

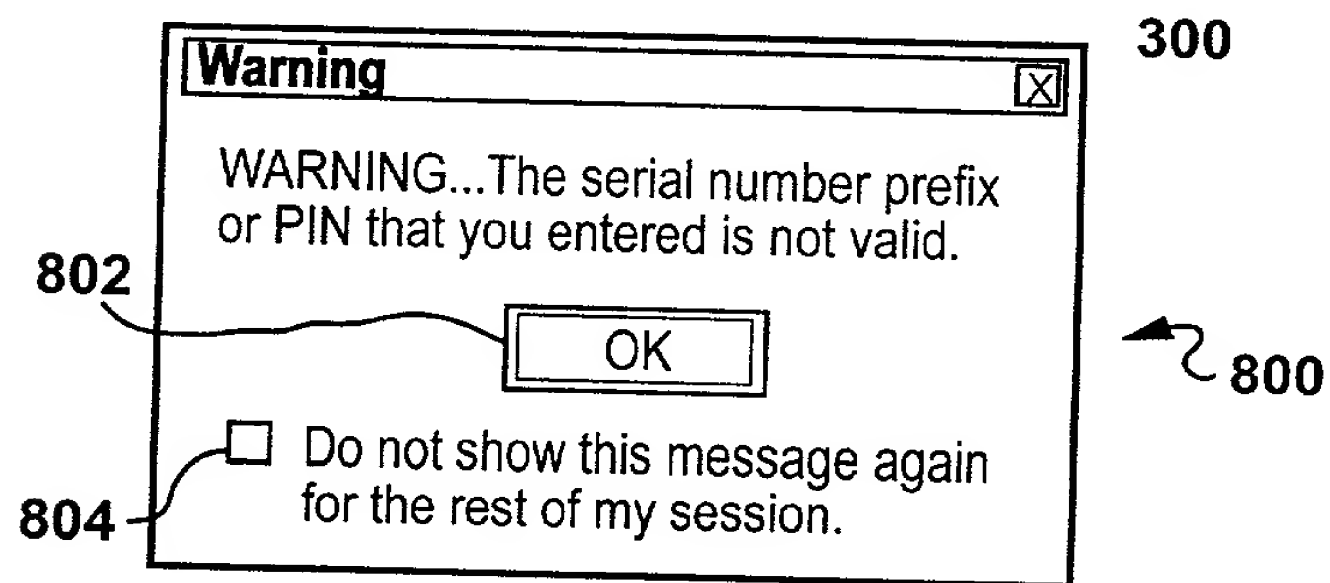


FIG - 9

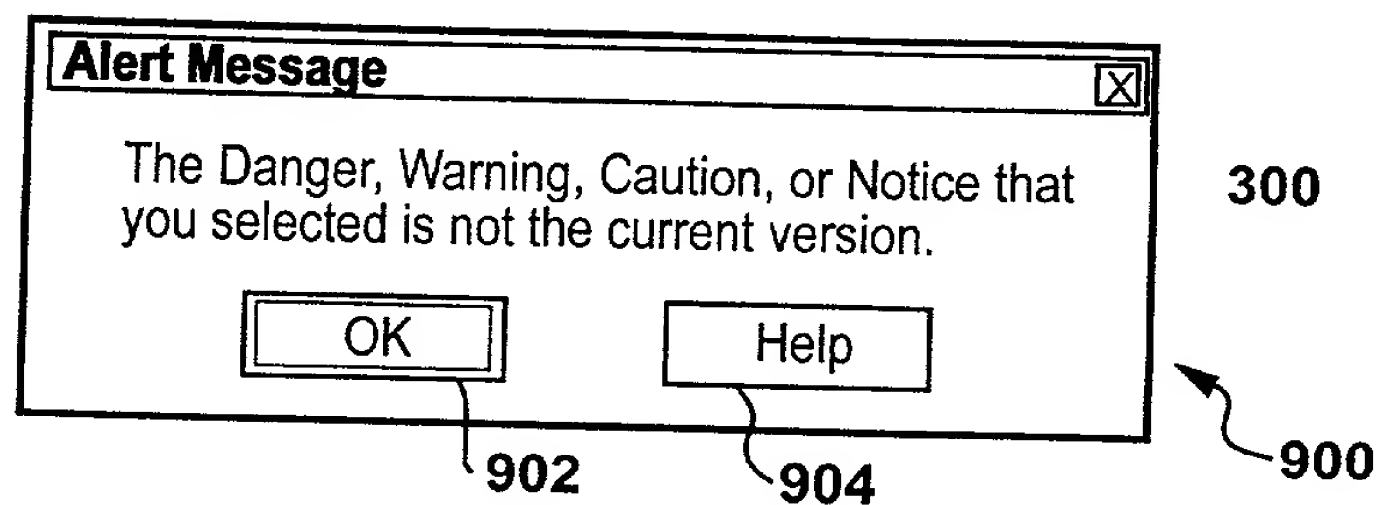


FIG - 10

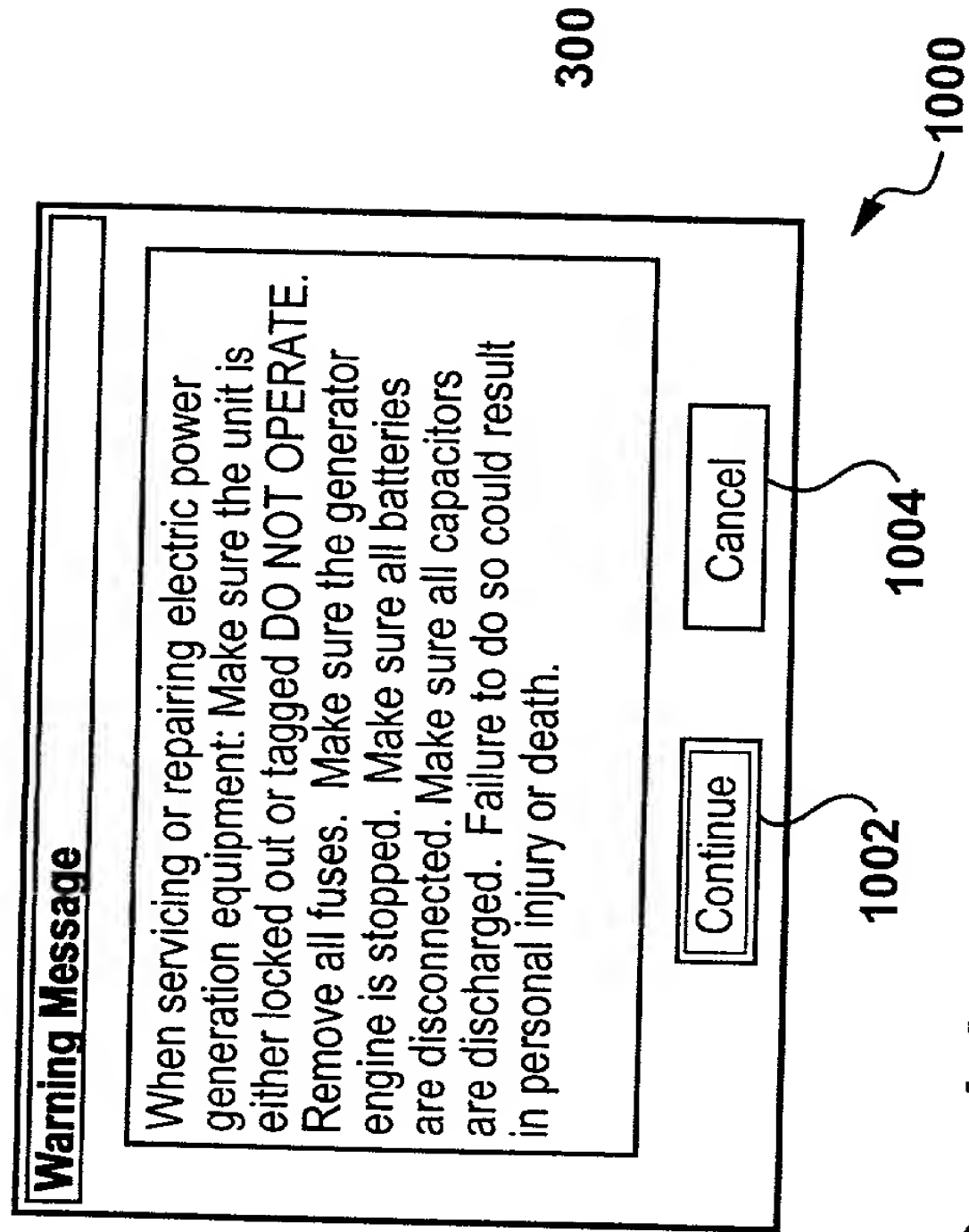


FIG - 14

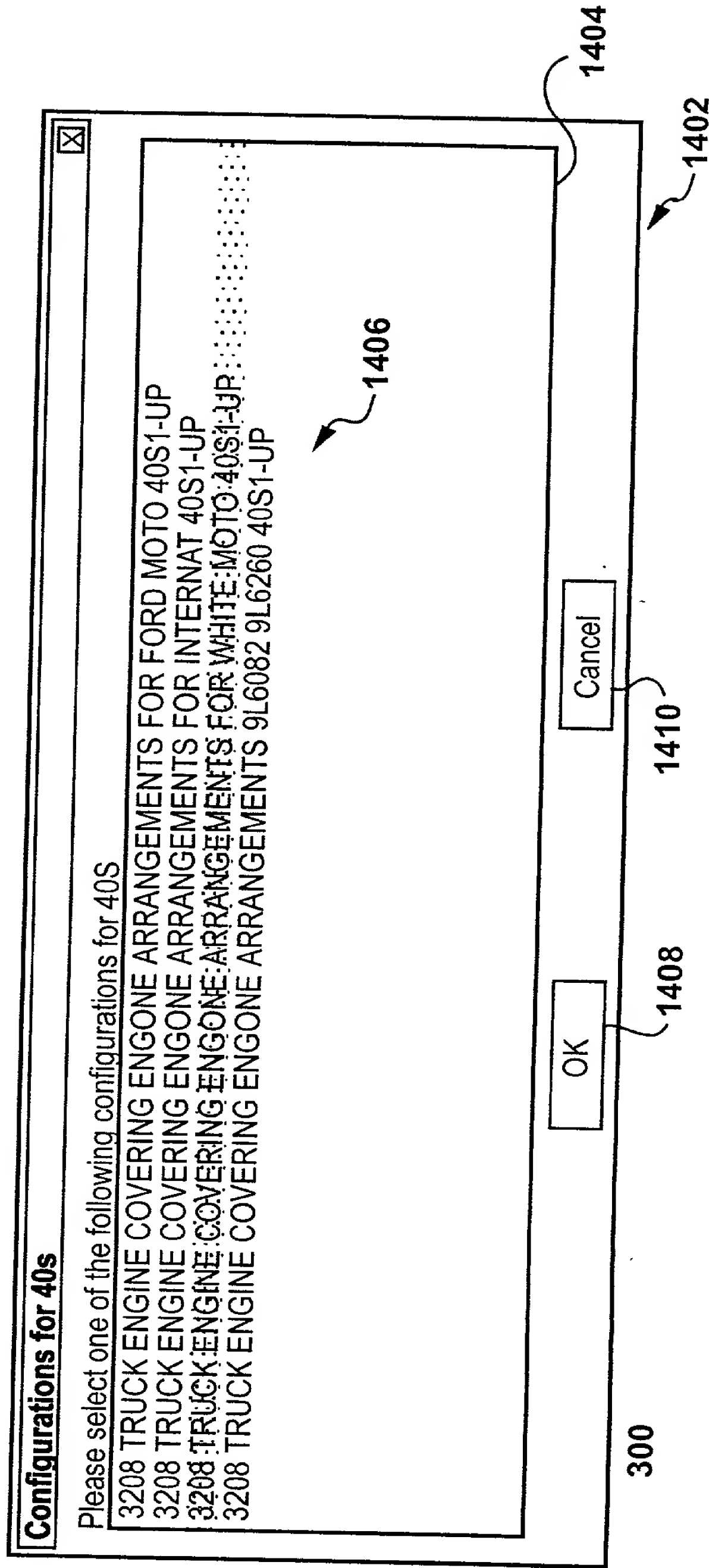


FIG - 11

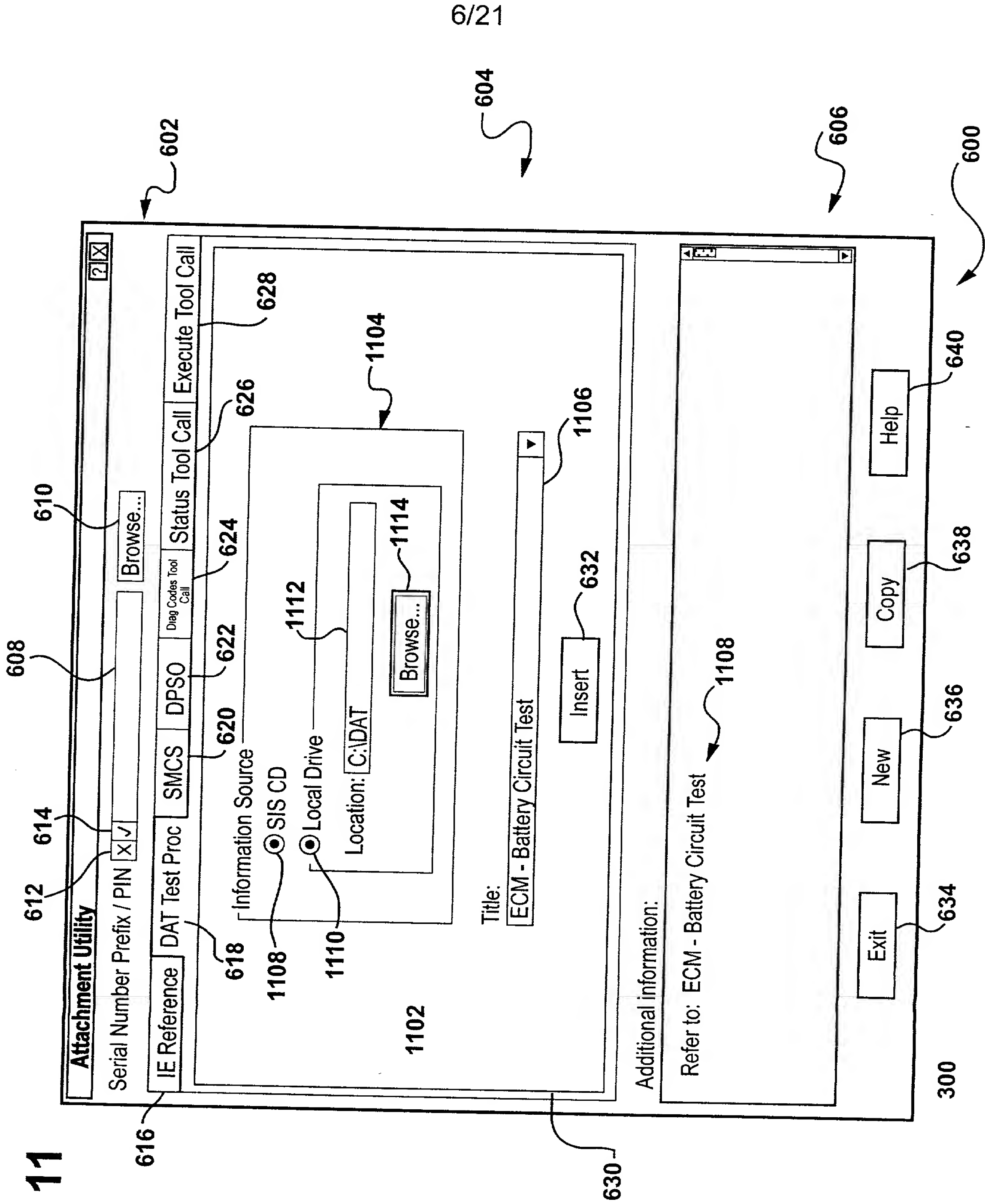


FIG - 12

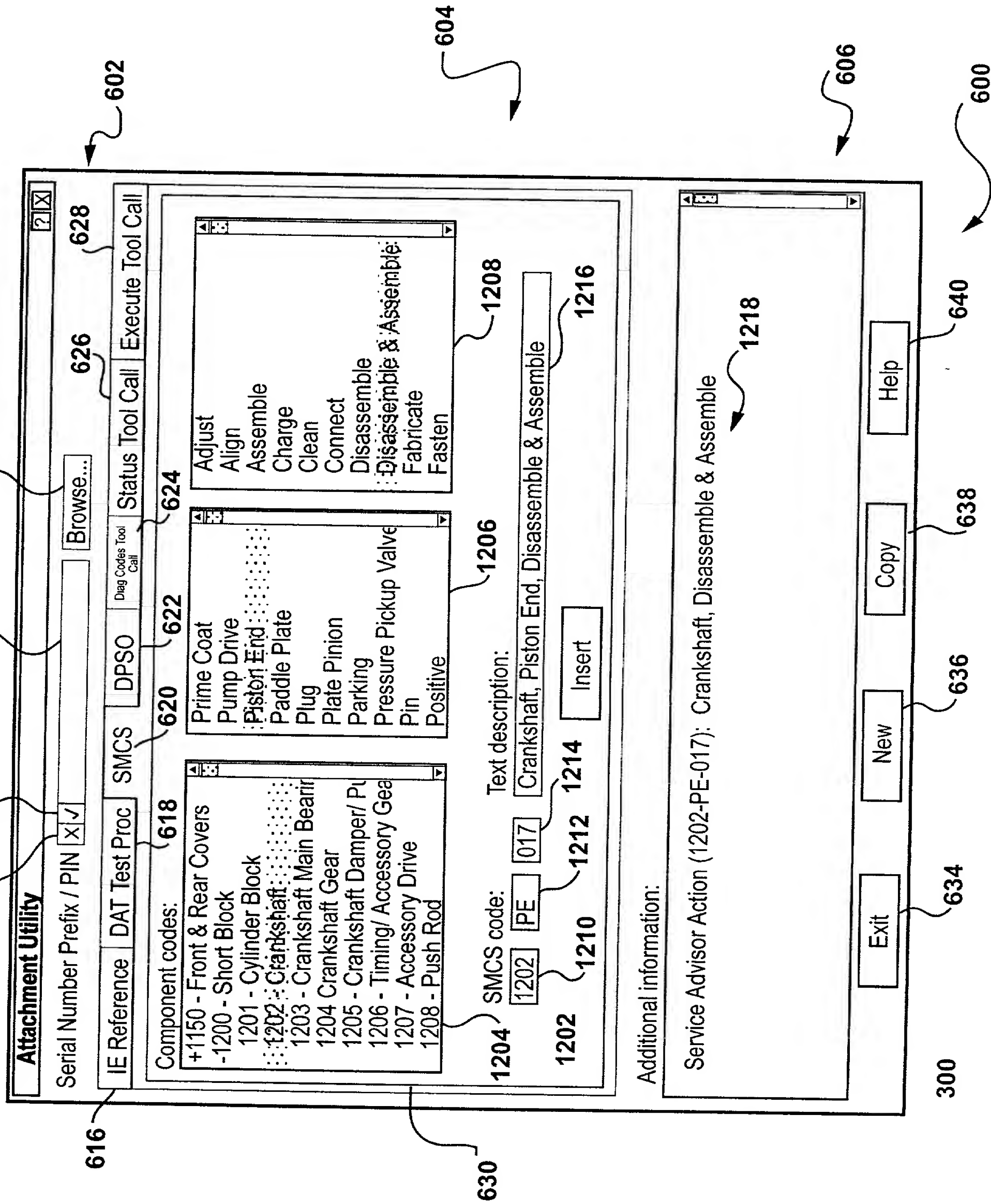


FIG - 13

8/21

FIG. 13 is a schematic diagram of a computer screen 600 displaying a software interface 602. The interface 602 includes a title bar 608 with a maximize button 612, a close button 614, and a minimize button 616. Below the title bar is a menu bar 610 with the following menus: File, Edit, View, Tools, Window, and Help. A toolbar 618 is located below the menu bar, containing buttons for New, Open, Save, Print, and a dropdown arrow. Below the toolbar is a status bar 620. The main display area 622 is divided into two panes. The left pane 624 displays a tree view of the product structure outline, including: Engine Arrangement, Engine Air, Miscellaneous Information, Tools, Air Inlet and Exhaust System, Basic Engine, Cooling System, Electrical and Starting System, Alternator GP-Charging, Control GP-Engine Electronic, and Miscellaneous Information. The right pane 626 displays the details of the selected item, which is the 'Engine Air' menu item. The details pane 626 includes a 'Browse...' button 628 and a 'Status Tool Call' button 630. The interface 602 also includes a 'Diag Codes Tool Call' button 632 and an 'Execute Tool Call' button 634. The interface 602 is part of a larger application window 604, which includes a title bar 606 and a menu bar 608. The application window 604 also includes a toolbar 610 and a status bar 612. The application window 604 is part of a larger system 600, which includes a title bar 602 and a menu bar 604. The system 600 also includes a toolbar 606 and a status bar 610. The system 600 is part of a larger environment 600, which includes a title bar 602 and a menu bar 604. The environment 600 also includes a toolbar 606 and a status bar 610.

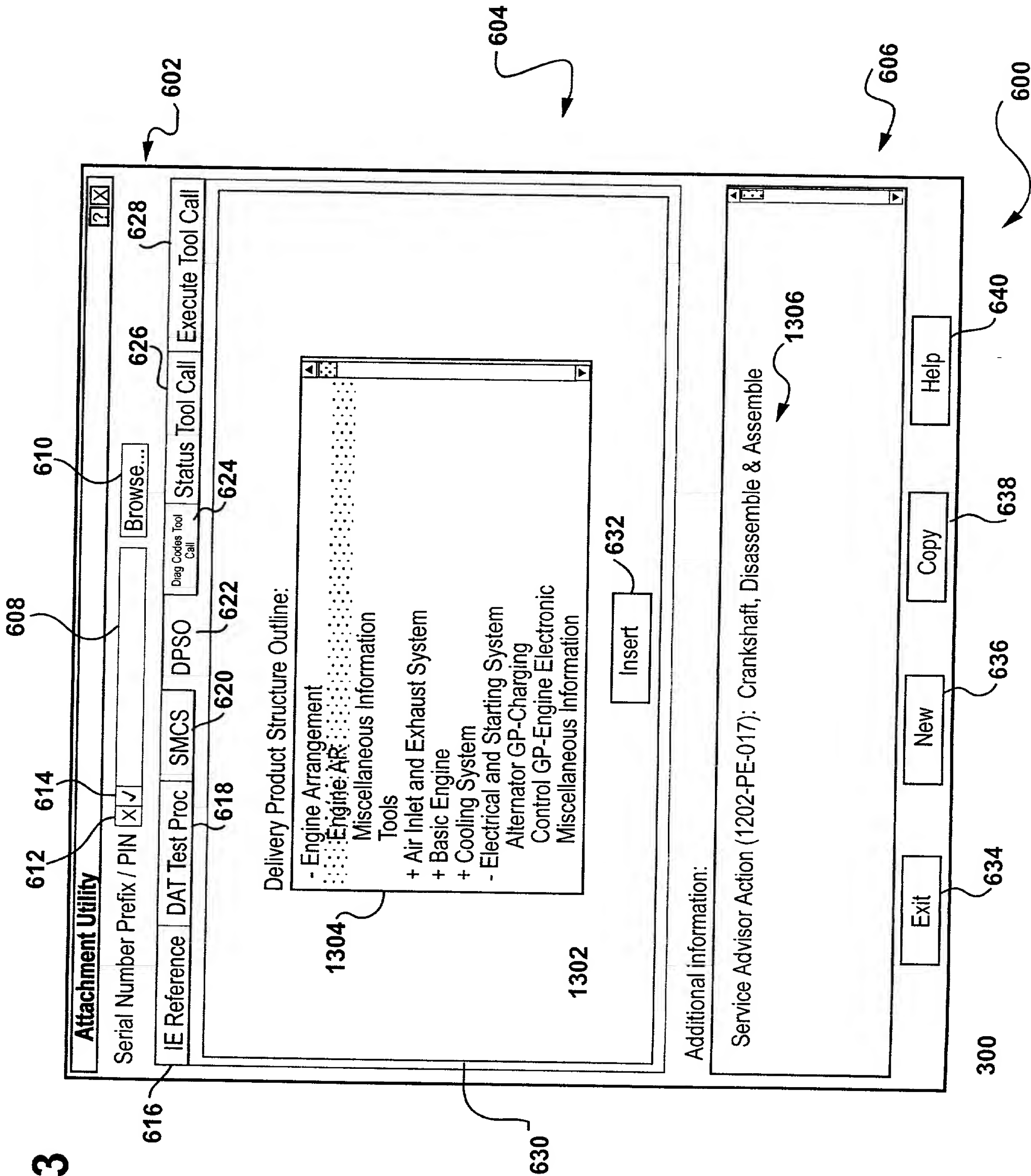


FIG - 15

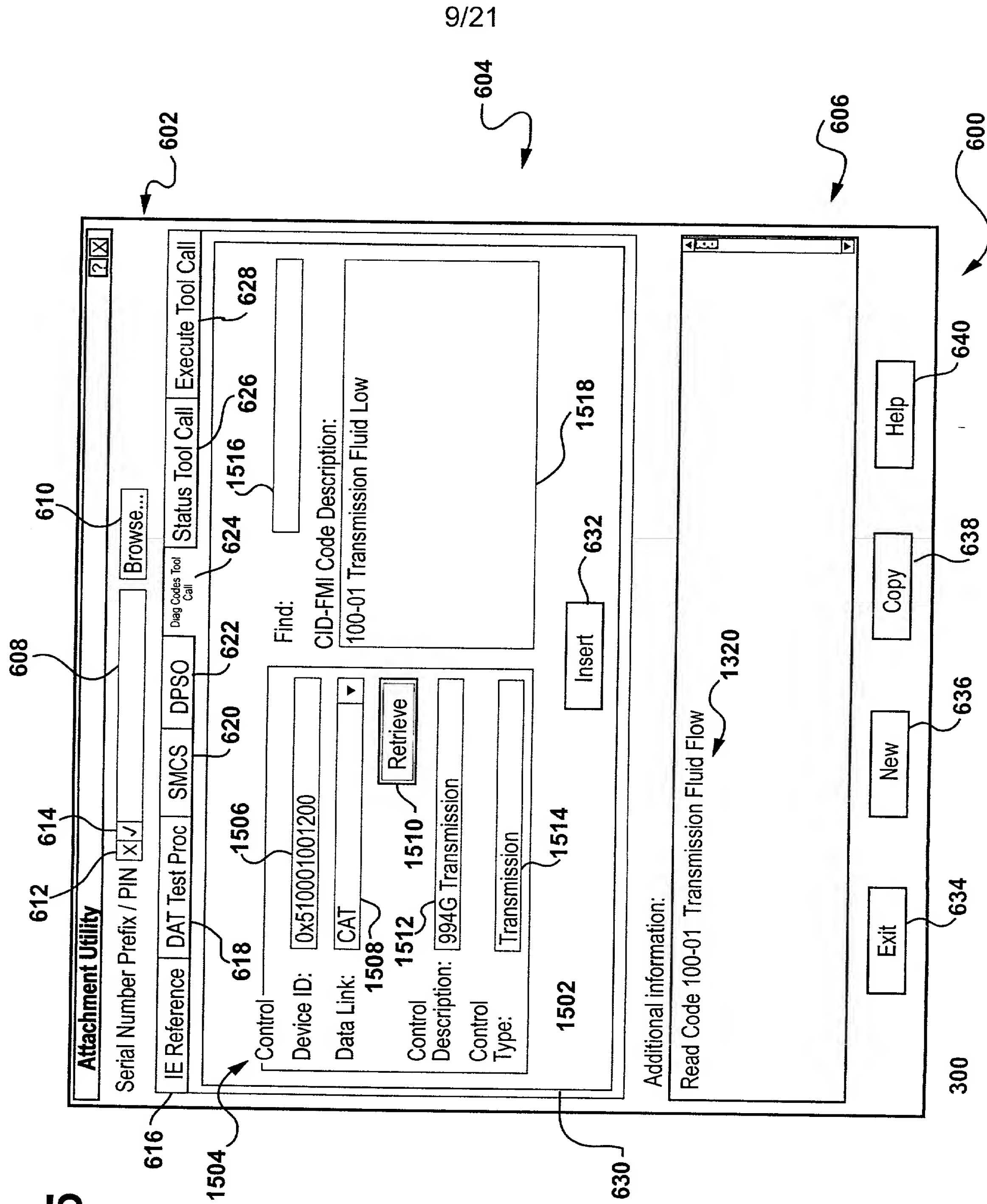


FIG - 16

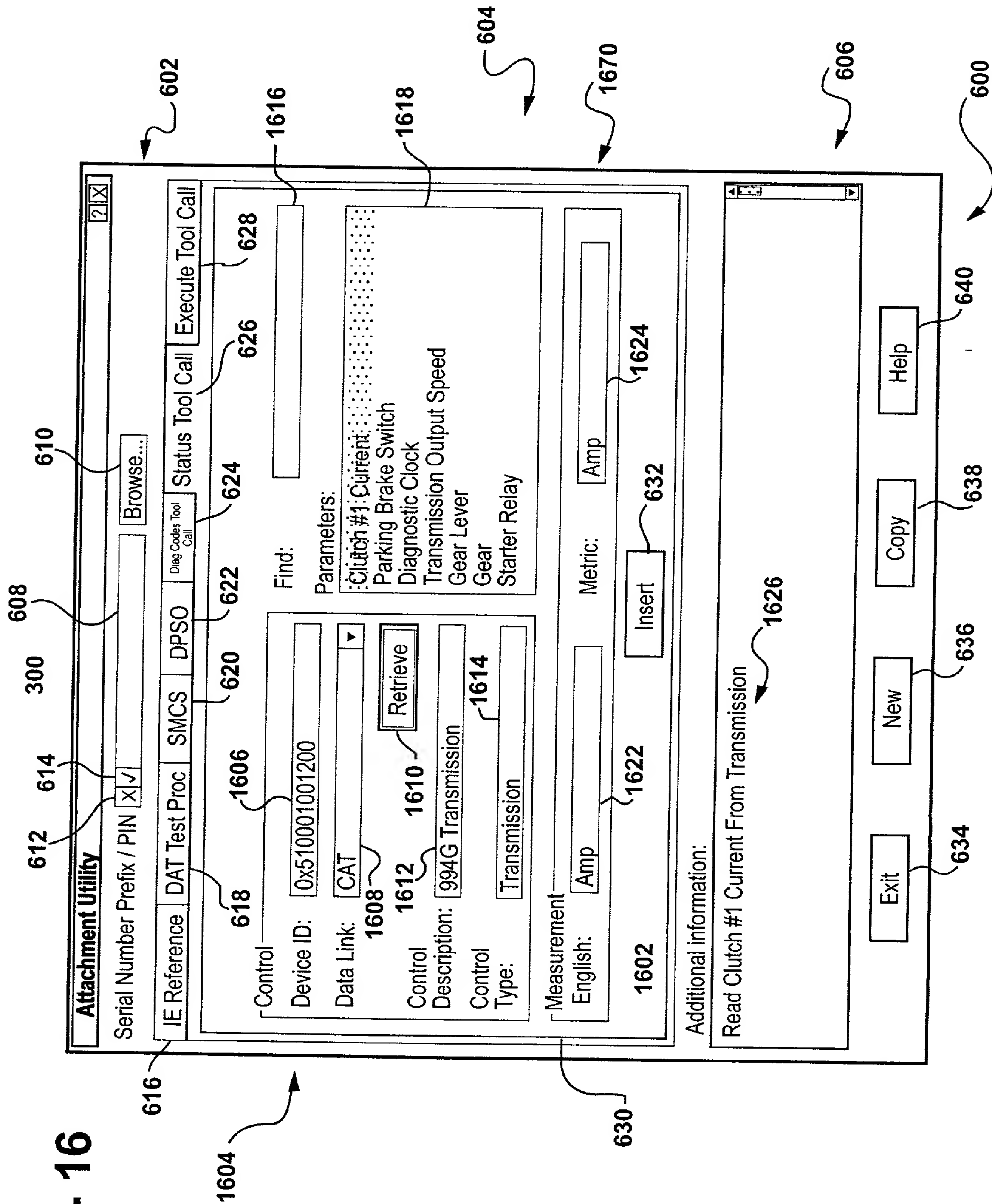


FIG - 17

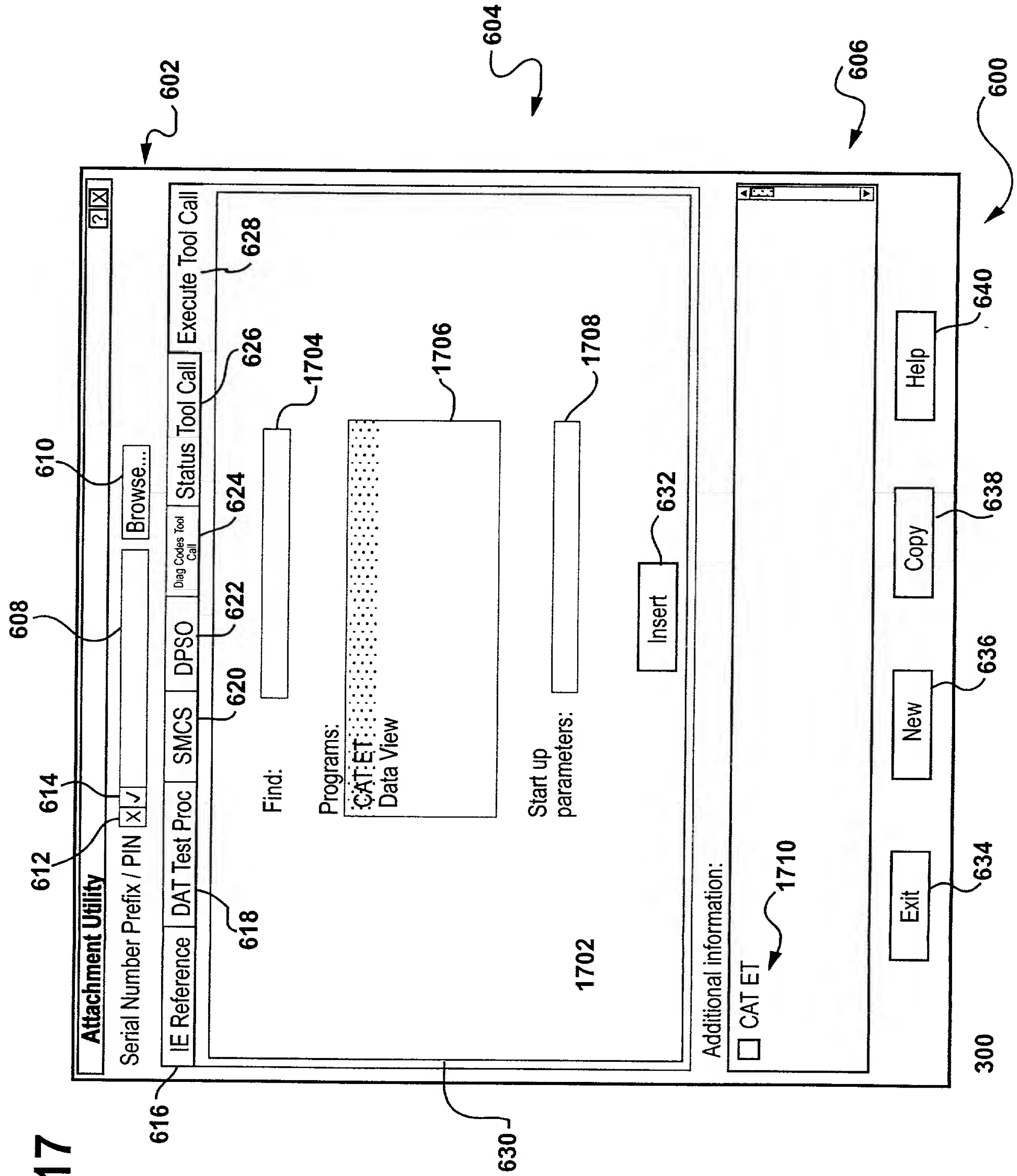


FIG - 18

Serial Number Effectivity

1806

Case Base Name	SN Effectivity	Modified By	Location	Date to EMD
2ygEngine3176.cbr	2yg 1, 9999	bolImra	D:\Excavator\3176	05/15/1998
3bgExcavatorE70.cbr	3bg 1, 9999	bolImra	D:\Excavator\E70	

1814

1808

1810

1812

Details:

1815

Case Base Name: 2ygEngine3176.cbr
SN Effectivity: 2yg 1, 9999
Modified By: bolImra
Location: D:\Engine\3176
Publish Date: 05/15/1998

1816

OK

Add Case Base

Update SN Effectivity

Send to EMDI

Delete

1824

1818

1820

1822

FIG - 19

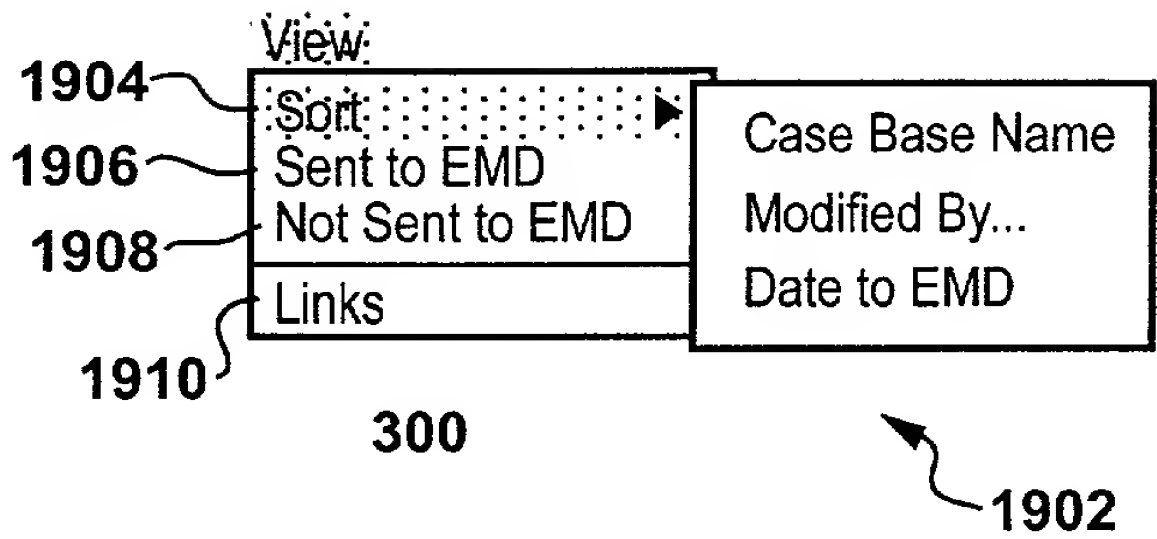


FIG - 23

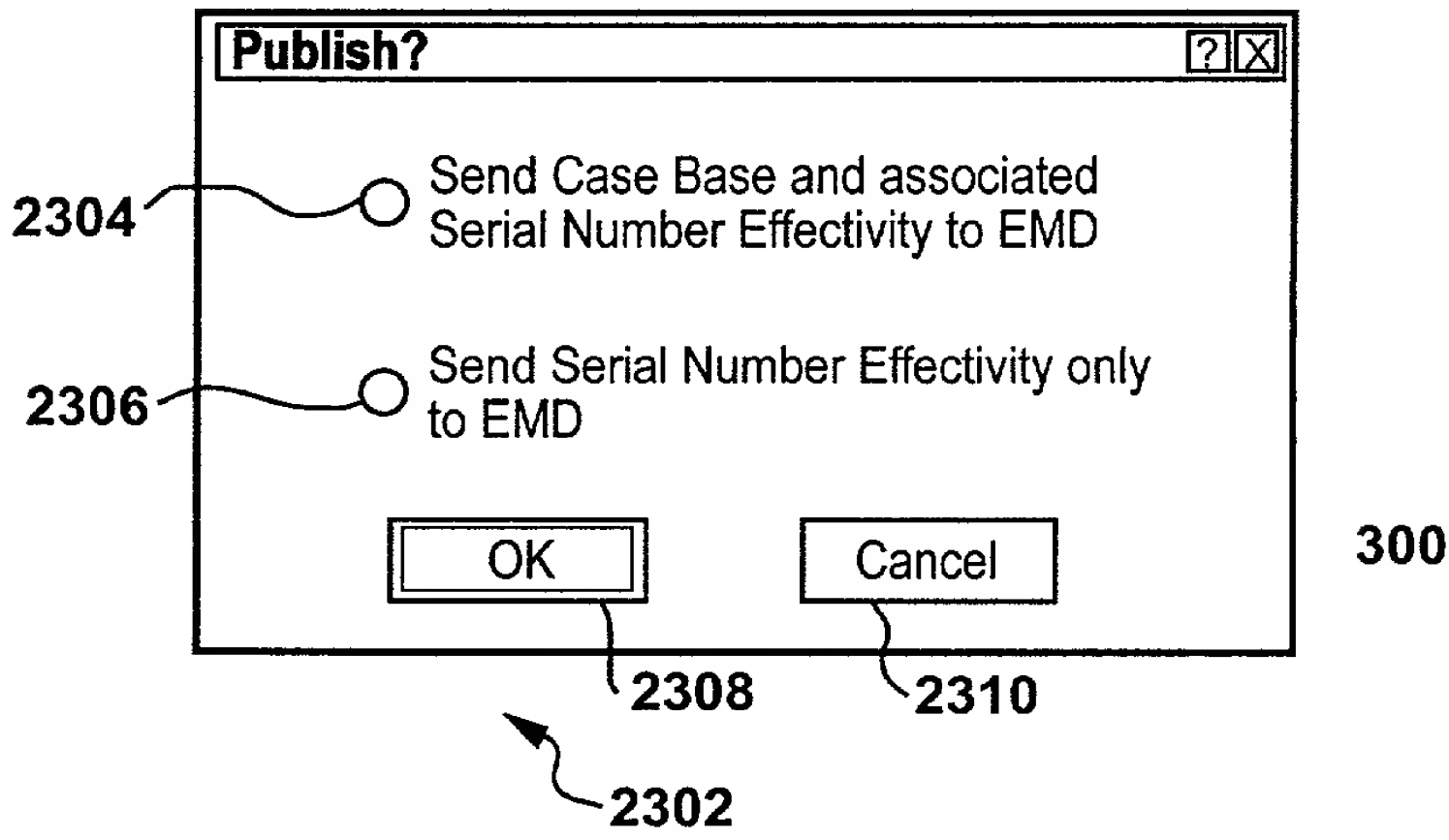
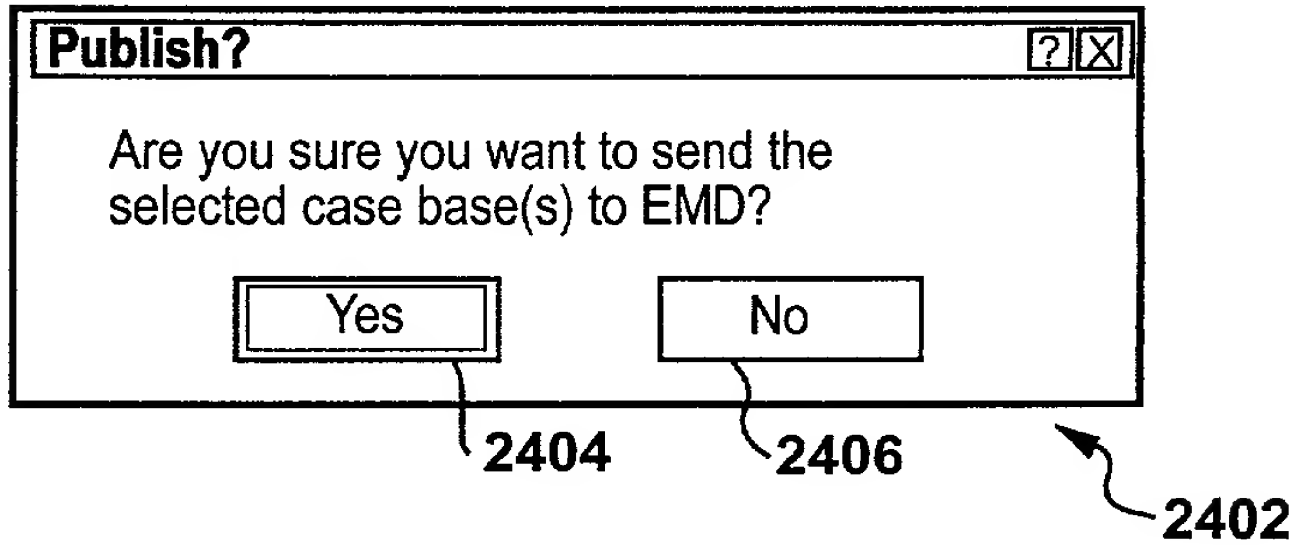


FIG - 24



Machine Case Base BHL008 - Lotus Notes

File Edit View Create Actions Text Window Help

CBRX

Reference Links

View Links

Attach

Detach

Submit

Save

Close

2004

CBRAT Workflow
System Case Base

Diagnostic Coordinator	John G. Karrot
Main Case Case Based Name	BHL008
System	Engine
Authoring of the System	John G. Karrot
Due Date	05/01/99
System Status	In Progress

Comment: test reject

Attachment(s): BHL008.cdf,

Helv

10

None

Office

FIG - 20

Machine Case Base BHL008 - Lotus Notes

File Edit View Create Actions Text Window Help

CBRX

Reference Links

View Links

Add System

Submit

Send to EMD

Save

Close

2004 CBRAT Workflow Machine Case Base

Family	Backhoe Loader
Case Based Name	BHL008
Description	t,
Serial Number (pfx, SNLow, SNHigh<, ArrangementNUM>)	2Im,1,5,
Serial Number	
Machine Due Date	05/21/99,
Machine Status	In Progress
Diagnostic Coordinator	John G. Karrot
Creation Date	03/29/99
Language	English, ▾
Comments	,
Information Integrator	, ▾
Directory Path	,

c:\cbr_db

Attachment(s): BHL008.cdf,

Times New Rô 10^ [None]

Office ^

FIG - 21

FIG - 22

300

2202

Case Base Links

View

Case Base Name: BHL008

Question/Action:

Q1: Has the engine run through a long idle period?

IE Title:

Troubleshooting: Control with Display

Troubleshooting Control without display

SMCS:

(4000-C5-064):POWER CONSUMPTION-DRIVE, 12-PIN CONNECTOR. BORE/DRILL

(60000-064):IMPLEMENTS, BORE/DRILL

(6000-H4-064):IMPLEMENTS, 14.5-INCH, BORE/DRILL

DPSO:

Electrical and Starting System, Alternator GP-Charging

Test Procedure:

Analog Sensor Supply Calibration

AI: Overcooling: Long idle periods. Reduce idle time.

IE Title:

Specification: Crankshaft: senr6462

Troubleshooting: Control with Display

Troubleshooting: Control without Display

OK

Print

Help

FIG - 25

2508

2504

2506

2510

2512

2514

2516

2518

2520

2522

2502

300

Add Serial Number Effectivity

Case base location: D:\Engine\3176 Browse...

Case Base Effectivity:

2yg 1 , 9999

Serial Number

High: Low:

Arrangement Number

Add Remove

OK Cancel

Select From:

Family	Model	Prefix
Engine	3176	2yg

FIG - 26

Update Serial Number Effectivity [?] [X]

Case base location:

Case Base Effectivity:

2yg 1, 9999

Serial Number

High:

Low:

Arrangement Number

Select From:

Family	Model	Prefix
Engine	3176	2yg

2608 2604 2606 2610 2612 2616 2618 2620 2622 2624 2626 300 2602

FIG - 27

2704

Add User [?] [X]

User name: bollmra

Full Name: Randy A. Bollman

2706 Password: *****

2708 Confirm Password: *****

2710

Member of:

Administrator

2724

2728 <- Add

Remove -> 2730

Not member of:

Author
Product Diag Coordinator
Information Integrator

2726

OK 2712

Add User 2714

Apply 2716

Delete 2718

Cancel 2720

Help 2722

300

2702

FIG - 28

2804

Add User [?] [X]

User name: johnsjd

Full Name: Jeff D. Johnson

2806 Password: *****

2808 Confirm Password: *****

2810

Member of:

Administrator

2824 <- Add

Remove -> 2826

Not member of:

Author
Product Diag Coordinator
Information Integrator

2812 OK

2814 Apply

2816 Cancel

2818 Help

300

2820

2822

2802

FIG - 29A

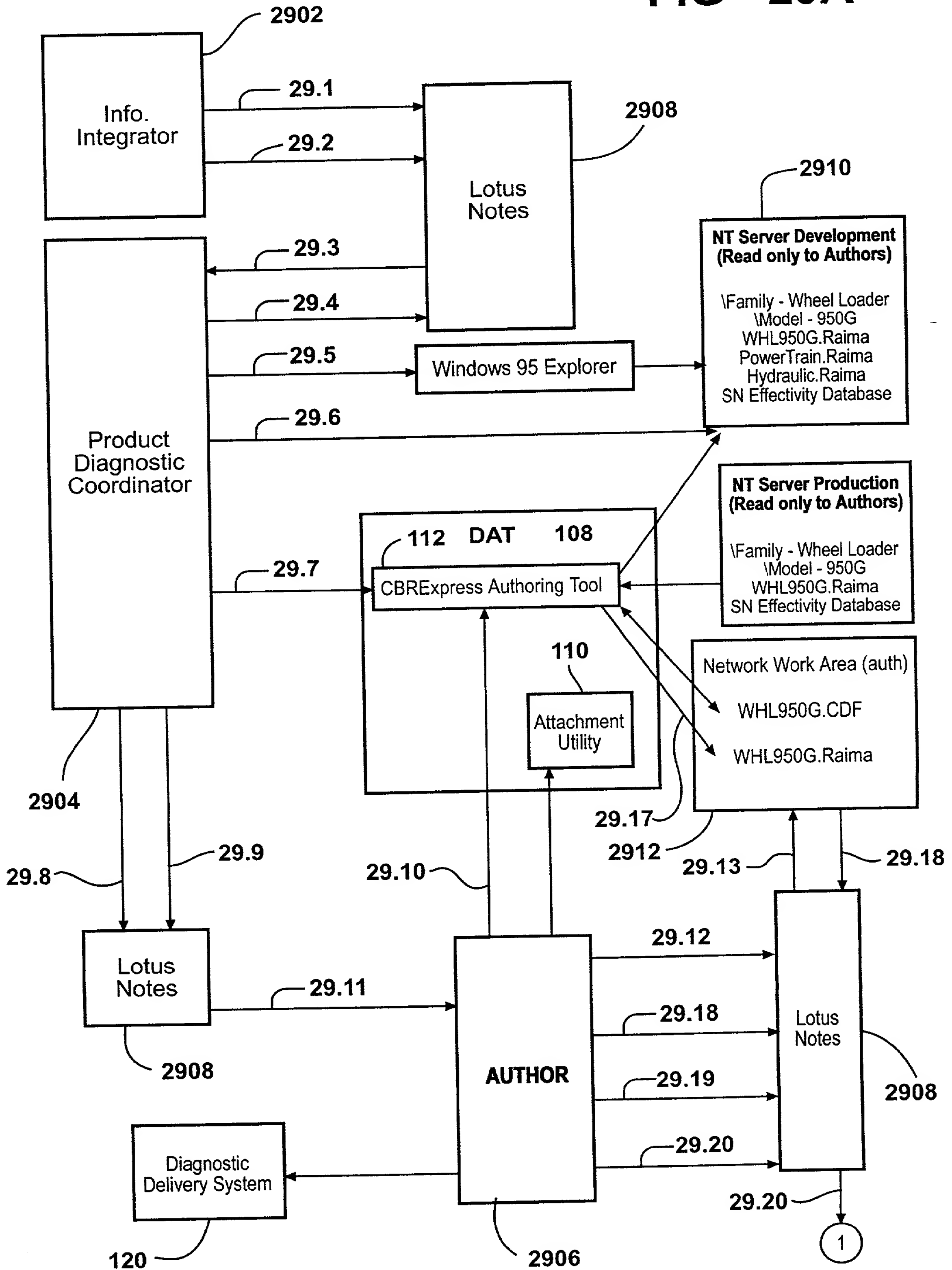


FIG - 29B

